DSC-H1

SONY

Auto-ADJ

SERVICE MANUAL

Ver 1.1 2005.11

CORRECTION-1

We will inform you that there are printing errors in the service manual previously issued.

- **Correction of the Before starting adjustment**
- **Correction of the Table 6-1-1**
- **Correction of the Service tool**

DSC-H1
9-876-880-95
Sony EMCS Co.
2005K0500-1
© 2005.11
Published by DI Technical Support Department

☛ : **Points deleted portion.**

SECTION 6
ADJUSTMENTS

Before starting adjustment

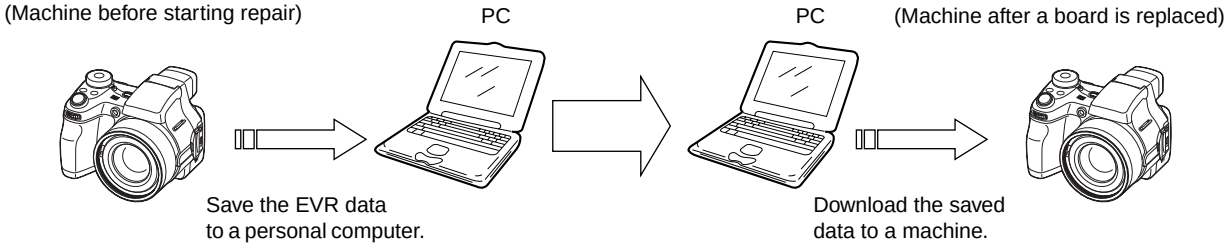
(Service Manual Page 6-1)

EVR Data Re-writing Procedure When Replacing Board

The data that is stored in the repair board, is not necessarily correct.
Perform either procedure 1 or procedure 2 when replacing board.

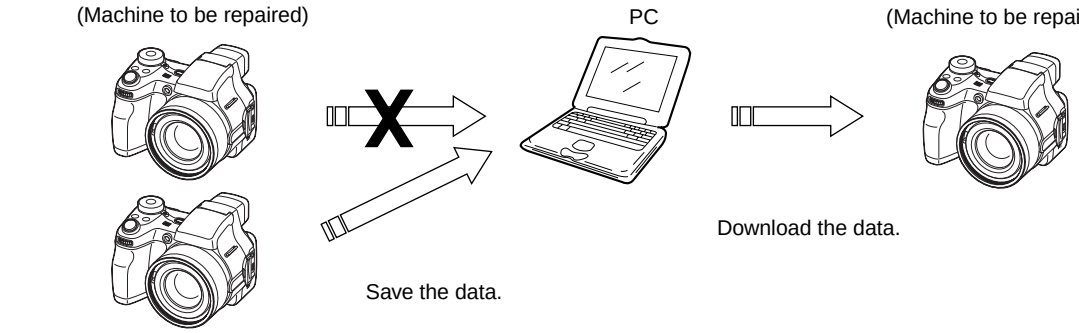
Procedure 1

Save the EVR data of the machine in which a board is going to be replaced. Download the saved data after a board is replaced.



Procedure 2

When the data cannot be saved due to defective flash memory, or when the flash memory cannot be removed or installed, save the data from the same model of the same destination, and download it.



After the EVR data is saved and downloaded, check the respective items of the EVR data.
(Refer to page 6-3 for the items to be checked.)

☞ **: Points added portion.**

Precaution on Replacing the SY-127 board

- The Repair Board has already been adjusted. Re-initialization or EVR data copy from the set before repair is not required.
- Perform "VIDEO OUT Default Data Check" mentioned below, and also the adjustment items necessary after SY Board replacement.

VIDEO OUT Default Data Check

When you replace to the repairing board, the written data of repairing board also might be changed to original setteing because of broadcast system (NTSC/PAL).
When the data has changed because of board replaceing etc, check the default data of VIDEO OUT if destination code is right. If not, rewrite to the right value.

VIDEO OUT Default Data

Page	Address	Data	
		NTSC	PAL
4F	8D	00	01
4F	A2	00	01

Writing Method:

1) Select page: 00, address: 01 and set data: 01.
2) Select page: 4F, address: 8D, and set data: 00 (NTSC) or data: 01 (PAL).
3) Select page: 4F, address: A2, and set data: 00 (NTSC) or data: 01 (PAL).
4) Select page: 40, address: 38, and set data: 00.
5) Click Save on the SEUS screen.
6) Wait for more than 3 sec.
7) Select page: 80, address: 30, and check that the data is "00".
8) Select page: 00, address: 01, and set data: 00.

☛ : **Points deleted portion.**

1-1. Adjusting items when replacing main parts and boards

(Service Manual Page 6-3)

When replacing main parts and boards, adjust the items indicated by ● in the following table.

Note 1: The automatic Adjustment Program does not support the “Initialization of data” and “Wide Limit Adjustment”. Perform them manually.

Note 2: Use the AWB Adjustment Program (H1AwbAdjustment.exe).

Note 3: When replacing the SY-127 board, erase the data in internal memory of the board before replacement.

Note 4: When replacing the SY-127 board or the IC381 on the SY-127 board, execute formatting and initialize the internal memory after replacement.

Adjusting item	Adjustment	Replaced parts																					
		Block replacement					Mounted parts replacement										Board replacement						
		Lens block	Flash unit	LCD block	LCD block	EVF block	AF-102 board	CD-576 board	CH-169 board	EV-016 board	SY-127 board	SY-127 board	SY-127 board	SY-127 board	SW-447 board	AF-102 board	CD-576 board	CH-169 board	EV-016 board	SY-127 board	SW-447 board
				LCD901	LED901	LCD902	D001	IC101	IC101	D001	IC301	IC381	IC601	IC802	SE401, 402	(COMPLETE)	(COMPLETE)	(COMPLETE)	(COMPLETE)	(COMPLETE) (Note 3, 4)	(COMPLETE)
				LCD unit	Back light unit	LCD unit	(AF illumination LED)	(CCD imager)	(Timing gen., CCD signal process)	(EVF back light)	(Camera DSP)	(32M AND flash) (Note 4)	(LCD/EVF driver)	(Video amp.)	(PITCH, YAW sensor)						
(Note 1)	Initialization of data																			● ☛	
VIDEO adjustment	Video output level adj.										●			●						●	
(Note 1)	Wide limit adj.	●																		●	
CAMERA adjustment 1	Flange back adj.	●						●									●			●	
CAMERA adjustment 2	Flange back check	●						●									●			●	
CAMERA adjustment 3	F No. compensation	●																			
	Measure gain adj.							●	●								●	●		●	
	Mechanical shutter adj.																				
	Light value adj.																				
(Note 2)	AWB 3200K-5800K standard data input	●						●	●								●	●		●	
CAMERA adjustment 4	Color reproduction adj. & check	●																			
	CCD linearity check							●	●								●	●		●	
	CCD white defect compensation check																				
	CCD black defect compensation check																				
CAMERA adjustment 5	Strobe adj.	●	●				●	●	●							●	●	●		●	
	Auto focus illumination check																				
CAMERA adjustment 6	HALL sensor gain adj.	●													●					●	●
	Angular velocity sensor sensitivity adj.																				
LCD adjustment	V-COM adj.			●	●						●		●							●	
	White Balance adj.																				
EVF adjustment	White Balance adj.					●				●	●		●						●	●	

Table 6-1-1

: **Points changed portion.**

6-1. CAMERA SECTION ADJUSTMENTS

1-1. PREPARATIONS BEFORE ADJUSTMENTS

1-1-1. List of Service Tools

(Service Manual Page 6-4)

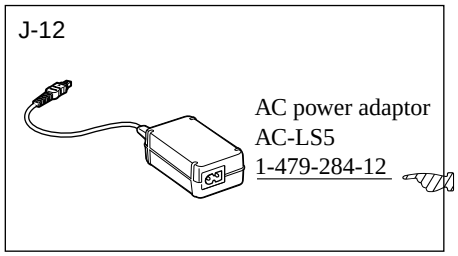


Fig. 6-1-1

1-1-2. Preparations

(Service Manual Page 6-5)

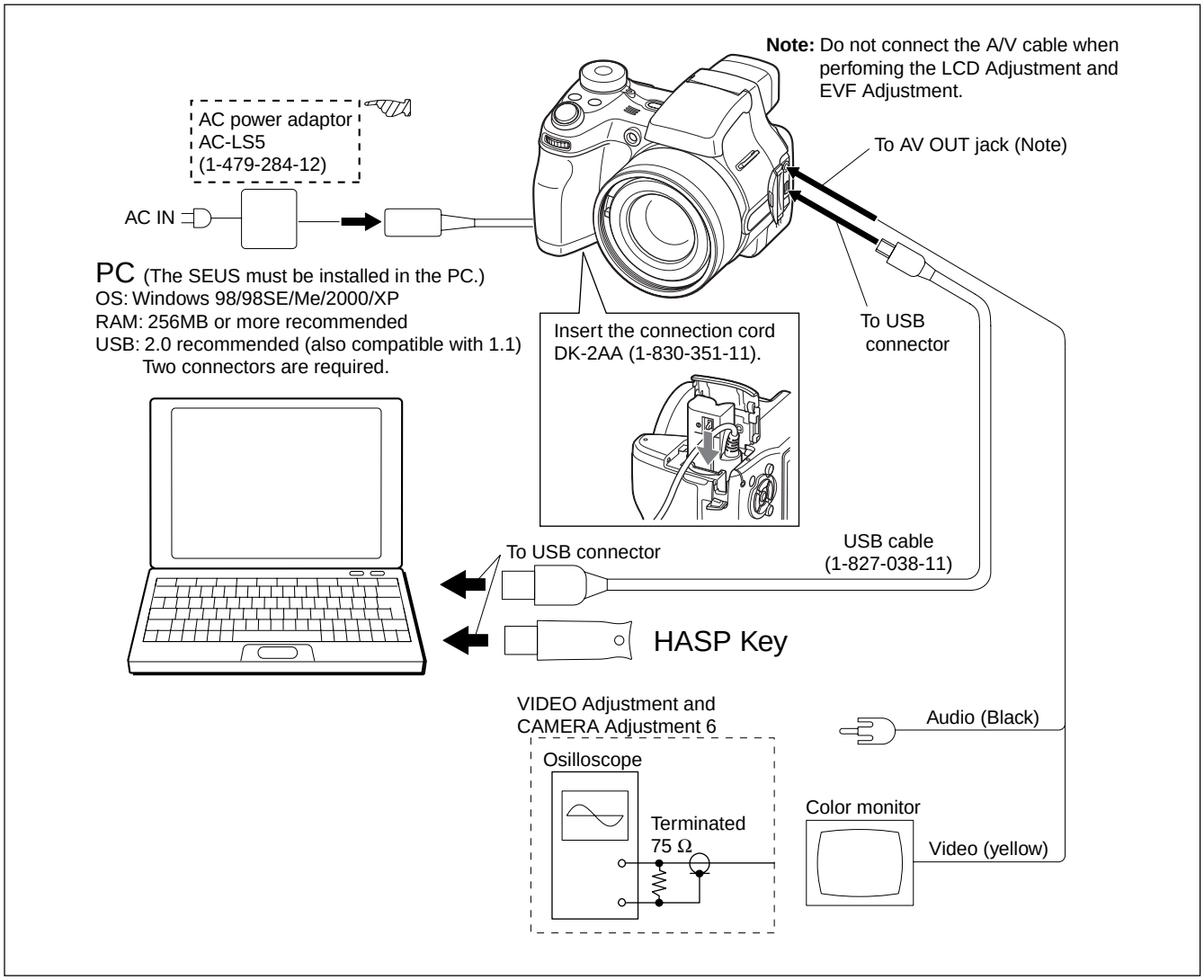

Note: Do not connect the A/V cable when perfoming the LCD Adjustment and EVF Adjustment.
AC power adaptor
AC-LS5
(1-479-284-12)
AC IN
To AV OUT jack (Note)
PC (The SEUS must be installed in the PC.)
OS: Windows 98/98SE/Me/2000/XP
RAM: 256MB or more recommended
USB: 2.0 recommended (also compatible with 1.1)
Two connectors are required.
Insert the connection cord DK-2AA (1-830-351-11).
To USB connector
To USB connector
USB cable (1-827-038-11)
HASP Key
VIDEO Adjustment and CAMERA Adjustment 6
Osilloscope
Terminated 75 Ω
Audio (Black)
Color monitor
Video (yellow)

Fig. 6-1-4